

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2022-2558
Application: Changes to Technical Grade Active Ingredient Product Chemistry - New Source (site), Same Registrant
Product: BCC Technical
Registration Number: 31424
Active ingredient (a.i.): Copper, present as basic copper carbonate
PMRA Document Number: 3499252

Purpose of Application

The purpose of this application was to add an alternate manufacturing site for BCC Technical.

Chemistry Assessment

Common Name: basic copper carbonate
 IUPAC* Chemical Name: copper(II) carbonate hydroxide (2:1:2)
 CAS† Chemical Name: $[\mu\text{-}[\text{carbonato}(2\text{-})\text{-}\kappa\text{O}:\kappa\text{O}']]$ dihydroxydicopper

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

BCC Technical has the following properties:

Property	Result
Colour and physical state	Light green powder
Nominal concentration	56.1%
Odour	Odourless
Density	4.04 g/cm ³ at 20°C
Vapour pressure	Negligible since the product is a solid.
pH	7.56 (1% aqueous solution)
Solubility in water	0.22 mg/L (20°C)
n-Octanol/water partition coefficient	N/A; product is inorganic.

The required chemistry data for BCC Technical have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable for the addition of an alternate manufacturing site for BCC Technical.

References

PMRA Document Number	Reference
3369213	2022, TGAI Chemistry Summary, DACO: 2.0 CBI
3369214	2020, Basic Copper Carbonate - Group A - Product Chemistry, DACO: 2.11 CBI
3369215	2020, Description of Starting Materials, DACO: 2.11.2 CBI
3369216	2022, Description of Production Process, DACO: 2.11.3 CBI
3369217	2020, Discussion of Formation of Impurities, DACO: 2.11.4 CBI
3369218	2020, Certified Limits, DACO: 2.12.1 CBI
3369219	2020, Basic Copper Carbonate 5-Batch Preliminary Analysis, DACO: 2.13.3 CBI
3369220	2020, Extension of Basic Copper Carbonate 5 Batch Preliminary Analysis Study [PRIVACY INFO REMOVED] for Canada, DACO: 2.13.4 CBI
3369221	2020, Accelerated Storage Stability and Corrosion Characteristics for Pursuing a Basic Copper Carbonate Registration, DACO: 2.14.14 CBI
3369223	2020, [PRIVACY INFO REMOVED] Particle Size of Basic Copper Carbonate, DACO: 2.16 CBI
3376354	2022, BCC Technical Data DACO 2.1, 2.2, 2.13.3 and 2.14.15, DACO: 2.1,2.13.3,2.14.15,2.2,830.7000 CBI
3382546	2022, Table linking [CBI REMOVED] Test Data with [PRIVACY INFO REMOVED] Batch Numbers, DACO: 2.13.2
3382547	2022, [CBI REMOVED] analysis for [PRIVACY INFO REMOVED], DACO: 2.13.2 CBI
3382548	2022, [CBI REMOVED] analysis for [PRIVACY INFO REMOVED], DACO: 2.13.2 CBI
3382549	2022, [CBI REMOVED] analysis for [PRIVACY INFO REMOVED], DACO: 2.13.2 CBI
3382550	2022, [CBI REMOVED] analysis for [PRIVACY INFO REMOVED], DACO: 2.13.2 CBI
3382551	2022, [CBI REMOVED] analysis for [PRIVACY INFO REMOVED], DACO: 2.13.2 CBI
3383527	2022, Process Flow for [PRIVACY INFO REMOVED] BCC, DACO: 2.11.1 CBI
3490360	2023, [CBI REMOVED] value discrepancies explanation, DACO: 2.13.3 CBI
3501662	2023, Batch Details, DACO: 2.13.3 CBI
3501663	2023, [PRIVACY INFO REMOVED] Basic Copper Carbonate 5-Production Batch Study, DACO: 2.13.3 CBI

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